

Product datasheet for **MC222302**

Eml4 (NM_199466) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Eml4 (NM_199466) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Eml4
Synonyms:	4930443C24Rik; AI644019
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC222302 representing NM_199466
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGACGGTTTCGCCGGCAGCCTCGATGATAGTATTTCTGCTGCAAGTACCTCTGACGTTCAAGACCGCC
 TCTCAGCTCTTGAGTCACGAGTTCAACAACAAGAAGATGAAATCACTGTGCTAAAGGCAGCATTGGCTGA
 TGTTTTGAGGCGTCTTGAATCTCTGAAGATCATGTAGCCTCAGTGAAAAAGTCCATGCCAAGTAAAGGC
 CAACCAAGCCTTCGAGAAGCTATTTCTATGTCTGTATAACCAATGGAAGTGGTATAAGCAGAAAACAGA
 ATCATACCAGCTCTGTATCAATAGCAAGAAAAGAACTCTTTCTCAGCTGCTAAAAGACATAAAGATGT
 CATCGTCAATCAAGAAGGAGAATATATTTAAATGTTTATGCGAGGTGGCCAATTACAATGTTTCATTCT
 TCGGATGTTGACAACTATGATGACATCAGAACAGAAGTGCCTCCAGAGAAGCTCAAAGTGGAGTGGGTAT
 ACGGTTATCGAGGAAAGGACTGTAGAGCGAATGTATACCTGCTTCCACAGGGGAGATAGTTTATTTTAT
 CGCCTCAGTGGTAGTCTGTTTAAATTATGAGGAGAGGACTCAGCGACACTACCTGGTCCATACAGACTGT
 GTGAGATGCCTTGTGATACATCCTGACAAGATTAGAATTGCAACTGGACAGATAGCCGGAGTAGACAAA
 ATGGAAGGCCCTCTGCAACCCCATGTGAGGTGTGGGATCAGTAAAGTCTTACCACACTGCATGTTATTGG
 ACTTGGAACTTTTGGAGTGGAGTAGGATGCCTGGATTTTCAAAGCAGATTACAGTGTTCATTATGCT
 GTTATTGATGACTCCAATGAGCAGATGCTTACTGTATGGGACTGGCAGAAAAATCAAAAATCGCAGAAA
 TAAAGACAACAAACGAAGTTGTTTTGGCTGTAGAATCCACCCACAGATGCAAAATAAATAACATG
 TGGTAAATCTCATTTTTTTCTGGACCTGGAGTGGCAACTCACTAACAAGAAAACAGGGAAATTTTGGG
 AAATATGAAAAACAAAATTCGTTCACTGTTTGGCATTCTTGGGAATGGAGATGTTCTCACTGGAGACT
 CGGGTGGAGTCATGCTGATCTGGAGCAAAACGATGGTAGAGCCCCCGGGGAAAGGACCTAAAGGCTGT
 GTATCAGATCAACAGACAAAATCAAAGTCAATGATGGCAGTGTGTTTACACTTTGTGATGAGAAATGGG
 ATGCTATTAAGTGGAGGCGAAAAGACAGAAAAATAATTTTGTGGGATCATGATCTGAACCTTGAAGAG
 AAATAGAGGTTCTGATCAGTATGGCACCATTAGAGCAGTTGCAGAGGGAAGGGCAGAACAGTCTTAGT
 AGGCACATCACGAACTTTATTTTACGGGGAACGTTTAAATGATGGCTTCAAATAGAAGTCCAGGTCAT
 ACAGATGAACTCTGGGCTTGAACACATCCCTTCAAAGATTTGCTCTTGACGTGTGCTCAGGACAGGC
 AGGTGTGATGTGGAACCTCAGTGGAGCACAGGCTGGAGTGGACCAGGCTTGTGGACGAACCAGGACTG
 TGCAGACTTTTATCAAGCGGTACAGTGGTAGCCATTGGAACGCACTCAGGCAGGTGTTTGTCTGGAT
 GCAGAAAACAGAGATCTGGTGTCAATCCACACGGATGGCAATGAGCAGCTGTCTGTGATGCGCTACTCAG
 TAGATGGCACTCTTCTGGCTGTGGGCTCTCATGACAATTTATTTACCTTACACAGTCTTAGAAAACGG
 AAGAAAATACAGCAGATATGAAAAGTGCCTGGACATTCTAGCTACATCACACCTTGACTGGTCCCCA
 GACAATAAGCATATAATGTCTAACTCGGGTGACTACGAGATACTGTACTGGGACATTGAAAATGGCTGCA
 AACTAATCAGGAACCGATCAGATTGCAAGGACATCGATTGGACAACATATACCTGTGTGCTAGGCTTCCA
 AGTCTTTGGGGTGTGGCCGGAAGGGTCCGATGGAACAGACATCAACGCACTGGTTCGATCCCACAACAGA
 AGAGTGATCGCAGTGGCCGATGATTTCTGCAAAGTTCACTCTTTTCAAGTACCCCTGCTCAAAGCCAAG
 CTCCCAGTCACAAGTACAGTGGCCACAGCAGCCATGTGACCAACGTCAGTTTTACTATAATGACAGTCA
 CCTAATTTCAACTGGTGGGAAGGATATGAGCATCATTGAGTGGAAAGCTTGTGAAAAGTTACCTGTGCT
 CAAAACGAGGTCAATAACAGACGCCAGTGTGACCAAAACCCTGCCTCTTCTCTGAAAACGCCAGGCGCT
 CTAACCTCTCTCACTGCCTCCTTCTCTACCGTTAACTGGGACGCTGAAGAGGAAAAGCAGGATGGCGAG
 CTCCCCACACTAGTGGAGAACAGCCTGGAGCAGATCGCAGAGCCAGCGAGGAGCAGAGCGAGTGGGGT
 AGCGAAGACCTTGGTGTGGTGAATTGATGAAGAGCCTGCTAGTGAGTTAAGTGAGACACAGGGAGCAACTG
 AGCTGCCTGAGGAGGAGCGAGGCATAACACCCCTGTGCT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_199466
Insert Size: 2631 bp

OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_199466.3 , NP_955760.3
RefSeq Size:	5125 bp
RefSeq ORF:	2631 bp
Locus ID:	78798
UniProt ID:	Q3UMY5
Cytogenetics:	17 E4
Gene Summary:	<p>May modify the assembly dynamics of microtubules, such that microtubules are slightly longer, but more dynamic.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (3) lacks three coding exons but maintains the reading frame, compared to variant 1. The resulting isoform (3) lacks two internal segments, compared to isoform 1.</p>